

Title (en)

Noise suppressing device, mobile phone and noise suppressing method

Title (de)

Rauschunterdrückungsvorrichtung, Mobiltelefon und Rauschunterdrückungsverfahren

Title (fr)

Dispositif de suppression du bruit, téléphone portable et procédé de suppression du bruit

Publication

**EP 2159791 B1 20130213 (EN)**

Application

**EP 09161566 A 20090529**

Priority

JP 2008218610 A 20080827

Abstract (en)

[origin: EP2159791A1] A noise suppressing device receives sound signals through a plurality of sound-receiving units (6a, 7a) and suppresses noise components included in the input sound signals. The noise suppressing device includes a detecting unit (21) which detects a usage pattern of the noise suppressing device from a plurality of usage patterns in which positional relationships of the plurality of sound-receiving units (6a, 7a) and/or positional relationships between the plurality of sound-receiving units (6a, 7a) and a target sound source are different from each other, a converting unit (25) which converts using environment information used in a noise suppressing process to each of the sound signals inputted by the plurality of sound-receiving units (6a, 7a) into using environment information in accordance with a usage pattern detected by the detecting unit (21) and a suppressing unit (26, 27) which performs the noise suppressing process using the using environment information converted by the converting unit (25) to the sound signals.

IPC 8 full level

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CPC (source: EP KR US)

**G10L 21/0208** (2013.01 - EP KR US); **G10L 2021/02165** (2013.01 - EP KR US); **G10L 2021/02166** (2013.01 - EP KR US)

Cited by

CN102368793A; US9042573B2; US9031257B2; US9042574B2; US8891785B2; US9118769B2; US9269367B2; US9042575B2; WO2013049740A3; US8824693B2; US8981994B2; EP2954511B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2159791 A1 20100303**; **EP 2159791 B1 20130213**; CN 101661753 A 20100303; CN 101661753 B 20120704; JP 2010054731 A 20100311; JP 5206234 B2 20130612; KR 101084420 B1 20111121; KR 20100025463 A 20100309; US 2010056227 A1 20100304; US 8620388 B2 20131231

DOCDB simple family (application)

**EP 09161566 A 20090529**; CN 200910151327 A 20090630; JP 2008218610 A 20080827; KR 20090057579 A 20090626; US 49477909 A 20090630